

APPARATUS AND METHODS FOR SEPARATING COMPONENTS OF PARTICULATE SUSPENSION

Abstract

5 An optical bio-disc used in separating components of particulate
suspension has separation, fluid metering, and fluid assay chambers. The
separation chamber contains a particulate suspension having a fluid component
and a particulate matter component. The fluid metering chamber communicates
with the separation chamber by a first conduit that has an entry point at the
separation chamber. The entry point is accessible to the fluid component when
the bio-disc is rotated causing separation of the fluid component and the
particulate matter component in the separation chamber. The fluid assay
chamber communicates with the fluid metering chamber by a second conduit.